

## Statement of participation

# Ravi kkumaar S V

has passed the free course including all mandatory tests for:

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### Discovering computer networks: hands on in the Open Networking Lab

This free 24-hour course focused on exploring computer networks and setting up your own – simulated – computer networks.

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**Issue date:** 30 March 2021



**[www.open.edu/openlearn](https://www.open.edu/openlearn)**

This statement does not imply the award of credit points nor the conferment of a University Qualification.  
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/science-maths-technology/computing-ict/discovering-computer-networks-hands-on-the-open-networking-lab/content-section-overview>

COURSE CODE: **OPNL\_1**



## Discovering computer networks: hands on in the Open Networking Lab

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### Course summary

Have you ever wondered how the internet gets into your home, school, college or workplace? How do all the computers, phones, tablets, printers and other devices connect and work together? In this free course, Discovering computer networks: hands on in the Open Networking Lab, you can explore how computer networks operate, discover how data is sent around the internet, put your understanding into practice using an inbuilt network simulator to create your own – simulated – computer networks.

### Learning outcomes

By completing this course, the learner should be able to:

- set up, configure and troubleshoot simulated computer networks
- understand the differences between the small-scale networks typically used in homes and the larger-scale networks used in commercial organisations
- know how these different network are managed
- have experience of practical activities using simulated versions of each

### Completed study

The learner has completed the following:

#### Week 1

Introduction and guidance

Week 1: Getting started: home networks and IP addresses

#### Week 2

Week 2: Moving data: an introduction to switching and routing

#### Week 3

Week 3: Setting things up: configuration

#### Week 4

Week 4: Traffic control: destination addresses, route tracing and collision avoidance

Compulsory badge quiz (score 63%)

#### Week 5

Week 5: Making it happen: connecting devices and command-line control

#### Week 6

Week 6: Understanding the network: underlying principles

#### Week 7

Week 7: How it works: more of the principles that underlie networks

#### Week 8

Week 8: Final practical considerations: security and complex networks

Compulsory badge quiz (score 77%)